

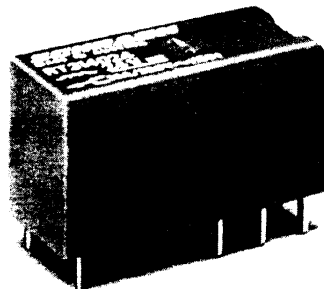
RT Power PCB Relay

1pole/2pole 8/12/16 A

625-541

625577

625-530/528



- 1 C/O 12 A or 16 A
- 2 C/O 8 A
- Sensitive coil 400 mW
- Height 15.7 mm
- Cadmium-free contact material
- Flux-tight (suitable for flow soldering) and sealed (immersion proof) version available
- Protection class II to VDE 0700
- 5 kV/10 mm
- 1pole 12 A: Pinning 5.0 or 3.5 mm
- Supplied in recyclable carton bar packing

RT

● Accessories

page 62, 64

Contacts

Number of poles		1	2
Configuration		1 C/O or 1 N/O	2 C/O or 2 N/O
Type of contact		single contact	
Rated voltage/max. breaking voltage	VAC	250/440	
Rated current	A	12/16	8
Rated breaking capacity	VA	3000/4000	2000
Contact material		AgNi 90/10	

Coil

Nominal voltage	VDC	5...110
Nominal coil power	appr. W	0.4
For additional information		refer to coil data

General Data

Mechanical life	ops	>30 x 10 ⁶
Maximum switching rate, mechanical	ops/h	72000
Maximum switching rate at rated load	ops/h	360
Pull-in/Drop-out/Bounce time N/O	appr. ms	7/3/2 6/2/1
Dielectric strength	coil-contact	VAC 5000
	contact-contact	VAC 1000
	pole-pole	VAC 2500
Creepage/Clearance (coil-contact)	mm	≥ 10/10
Ambient temperature	°C	-40...+70
Insulation category/Rated voltage flux-tight/sealed	to VDE 0110	C/250 / B/400
Isolation resistance at 500 VDC	MΩ	>10 ⁴
Solder bath temperature	max. °C	260
Soldering time	max. s	5
Vibration resistance N/O / N/C (30...150 Hz)	g	>10/5
Shock resistance	g	>100

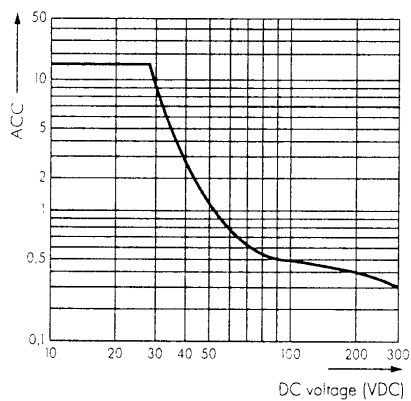
SCHRACK

COMPONENTS

RT Power PCB Relay

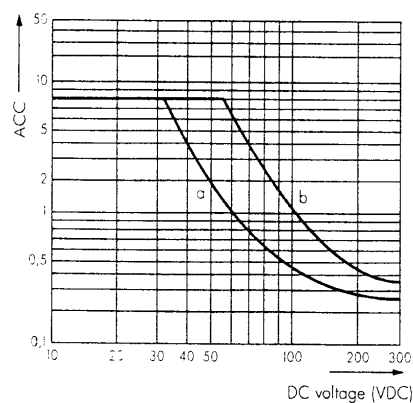
1pole/2pole 8/12/16 A

Max. DC Load Breaking Capacity
for resistive load*
1pole 12/16 A



* Reduction factor for inductive load: please refer to Relay Glossary for details

Max. DC Load Breaking Capacity
for resistive load*
2pole 8 A

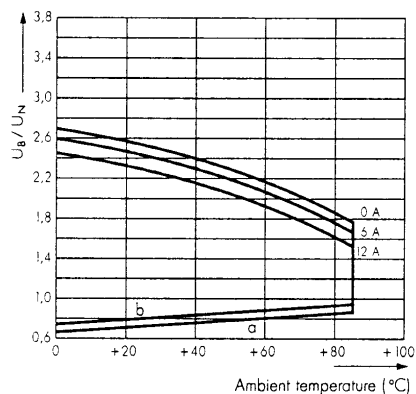


a 1 contact
b 2 contacts in series

* Reduction factor for inductive load: please refer to Relay Glossary for details

RT

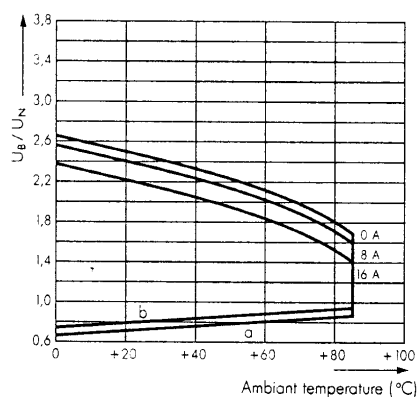
Coil Operating Range
1pole 12 A



a: U_{AN} with cold coil ($T_{COIL} = T_{AMB}$)

b: U_{AN} with hot coil ($1.1 \times U_N$), contact load = I_N

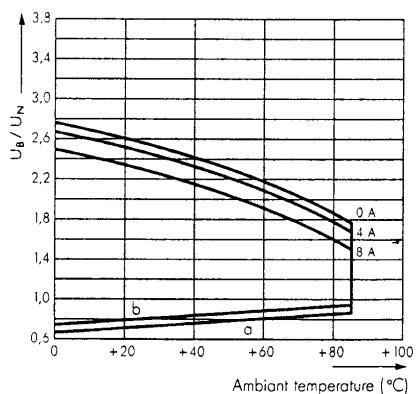
Coil Operating Range
1pole 16 A



a: U_N with cold coil ($T_{COIL} = T_{AMB}$)

b: U_N with hot coil ($1.1 \times U_N$), contact load = I_N

Coil Operating Range
2pole 8 A



a: U_N with cold coil ($T_{COIL} = T_{AMB}$)

b: U_N with hot coil ($1.1 \times U_N$), contact load = I_N

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COMPONENTS

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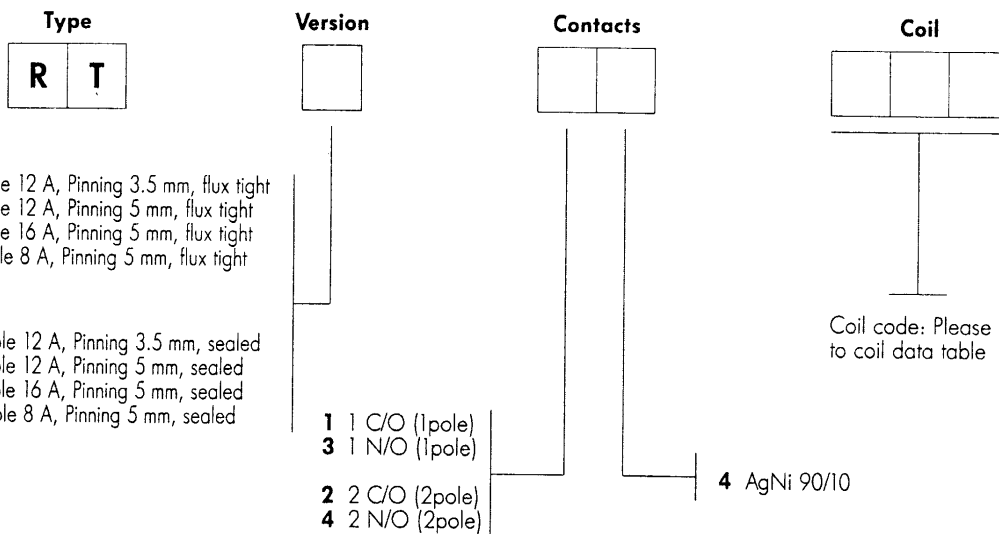
RT Power PCB Relay

625541

625 528

1pole/2pole 8/12/16 A

Ordering Key



RT



planned approvals

Coil data

Coil code	Nominal voltage	Pull-in voltage	Drop-out voltage	Coil current	Coil resistance
	VDC	VDC	VDC	mA	Ω
005	5	3.5	0.5	80.0	62±10%
006	6	4.2	0.6	66.7	90±10%
012	12	8.4	1.2	33.3	360±10%
024	24	16.8	2.4	16.7	1440±10%
048	48	33.6	4.8	8.3	5760±15%
060	60	42.0	6.0	8.0	7500±15%
110	110	77.0	11.0	4.3	25200±15%

All figures are given for cold coil (at ambient temperature +20°C/68°F)

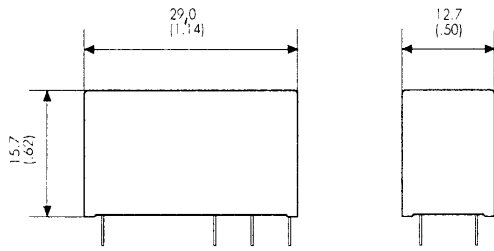
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RT Power PCB Relay

1pole/2pole 8/12/16 A

Dimensions



M 0672994

In case of full load on contacts and under extreme operating conditions (switching rate, ambient temperature) it is recommended to open the sealed (washable) relays, by opening the vent hole* provided for this purpose, after completion of the cleaning process.

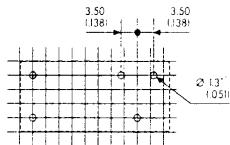
All dimensions in mm (inch)

RT

1pole 12 A

P.C. Layout

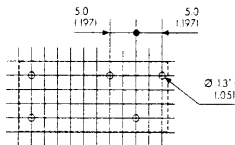
Pinning 3.5 mm (.138)



P 0340994

View on solder pins
P.C. Grid Module T=2.52 (.099)

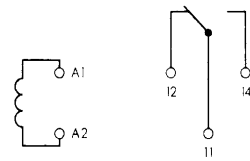
Pinning 5 mm (.200)



All dimensions in mm (inch)

Can be mounted on P.C. grid pattern 2.5 or 2.54 (.100)

Connection

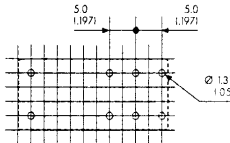


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1pole 16 A

P.C. Layout

Pinning 5 mm (.200)



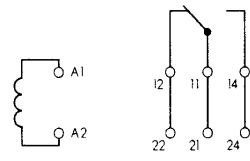
P 0350994

View on solder pins
P.C. Grid Module T=2.52 (.099)

All dimensions in mm (inch)

Can be mounted on P.C. grid pattern 2.5 or 2.54 (.100)

Connection

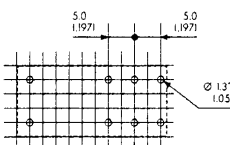


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2pole 8 A

P.C. Layout

Pinning 5 mm (.200)



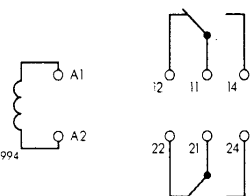
P 0360994

View on solder pins
P.C. Grid Module T=2.52 (.099)

All dimensions in mm (inch)

Can be mounted on P.C. grid pattern 2.5 or 2.54 (.100)

Connection



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COMPONENTS